

## ABSTRACT

It is an object of the present invention to provide a polyester fiber for artificial hair which has an excellent spinning processability, maintains fiber properties possessed by conventional polyester fiber, and has excellent flame 5 retardance, heat resistance, transparency and the like.

A flame retardant polyester fiber for artificial hair which achieves the above object can be obtained by melt spinning a composition in which 5 to 30 parts by weight of (B) a brominated epoxy based flame retardant and 0.05 to 1 parts by weight of (C) a reaction accelerator is mixed with 100 parts by weight of 10 (A) a polyester made of one or more of polyalkylene terephthalate or a copolymer polyester comprising polyalkylene terephthalate as a main component.